

**Umeå University**  
Institution för Datavetenskap

**DV2: Algorithms and Problemsolving 7.5 p**  
**DV169VT16**

**OU5 Automaton**

Submitted 2016-03-21  
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## **Contents**

Clock	NumberDisplay
# hours : NumberDisplay # minutes : NumberDisplay - displayString : String	- minLimit : int - maxLimit : int - value : int
+ timeTick() : void + setTime(int, int) : void + getTime() : String - updateDisplay() : void	+ getValue() : int + setValue(int) : void + getDisplayValue() : String + increment() : void + didWrapAround() : boolean

**Figure 1:** *Class diagrams of Clock and NumberDisplay.*

## 1 Introduction

## 2 Program Structure

## 3 Discussion

## References